

1.2 DESIGN

Through design, manufacturing technique and material application, the door and frame shall be BULLET RESISTANT FIBERGLASS of the "non-ricochet type". This design is intended to permit the capture and retention of an attacking projectile lessening the potential of a random injury or lateral penetration.

The ballistic capturing barrier shall be UL LISTED ARMORTEX Bullet Resistant Fiberglass as manufactured by SAFEGUARD SECURITY SERVICES, LTD. Protection level shall be UL Level 3. Door and Frame shall be in accordance with UL 752. The door and frame must be manufactured by the same firm. Units must be manufactured in strict accordance with specifications, design and details. No field alterations to the construction of the units fabricated under the acceptable standards shall be allowed unless approved by the manufacturer and the Architect. All welds shall be in accordance with the requirements and standard practices of the American Welding Society. All exposed welds shall be ground flush and finished smooth.

1.3 SUBMITTALS

NOTE: Review submittal description (SD) definitions in Section 01 33 00 SUBMITTAL PROCEDURES and edit the following list to reflect only the submittals required for the project. Submittals should be kept to the minimum required for adequate quality control. Include a columnar list of appropriate products and tests beneath each submittal description.

A "G" following a submittal item indicates that the submittal requires Government approval. Some submittals are already marked with a "G". Only delete an existing "G" if the submittal item is not complex and can be reviewed through the Contractor's Quality Control system. Only add a "G" if the submittal is sufficiently important or complex in context of the project.

For submittals requiring Government approval on Army projects, a code of up to three characters within the submittal tags may be used following the "G" designation to indicate the approving authority. Codes for Army projects using the Resident Management System (RMS) are: "AE" for Architect-Engineer; "DO" for District Office (Engineering Division or other organization in the District Office); "AO" for Area Office; "RO" for Resident Office; and "PO" for Project Office. Codes following the "G" typically are not used for Navy, Air Force, and NASA projects.

Submittal items not designated with a "G" are

considered as being for information only for Army
projects and for Contractor Quality Control approval
for Navy, Air Force, and NASA projects.

The following shall be submitted in accordance with Section 01 33 00
"SUBMITTAL PROCEDURES," in sufficient detail to show full compliance with
the specification:

SD-03 Product Data

Submit for approval prior to fabrication, VERIFICATION OF UL
LISTING OF BULLET RESISTANT FIBERGLASS, catalog cuts, brochures,
specifications, size, reinforcement size and locations, details of
joints and connections, welding details and printed data in
sufficient detail to indicate compliance with the contract
documents. Manufacturer's instructions for installation and
cleaning of glazing material.

1.4 WARRANTY

All materials and workmanship shall be warranted against defects for a
period of one(1) year from date of receipt at job site.

PART 2 PRODUCTS

2.1 DOOR

Bullet resistant hollow metal door shall be of the "non-ricochet type" as
shown on the contract drawings and schedules complete with 16 ga. face
plates, foamed in place rigid urethane foam and fiberglass core. The 16
ga. rails and stiles are to be welded to face plates and provide a flush
surface on all edges. Door unit shall be supplied pre hung with a
Continuous Gear Hinge in a steel frame. Door and frame shall be mortised
and reinforced at the factory for template hardware in accordance with the
approved hardware schedule.

Templates are to be provided to the door manufacturer by the hardware
contractor. Drilling and taping for surface mounted hardware shall be
performed at the jobsite by the installing contractor. If bullet resistant
transparent armor is required for door vision panel, the vision panel shall
be furnished by the door manufacturer and be UL listed material of the same
ballistic level as the door fiberglass core door and frame. Assembly unit
shall be as manufactured by Safeguard Security Services, Ltd., San Antonio,
Texas. Phone: (210)661-8306, (800)880-8306 Fax: (210)661-8308.

2.2 FRAMES

Frames shall be a protection level equal to the door. Frame shall be of a
"non-ricochet type" design, constructed of 16 ga. commercial grade steel
lined with UL Listed Bullet Resistant Fiberglass. Steel shall be free of
scale, pitting, coil breaks or other surface defects. Finish work shall be
neat and free of defects. Corners shall be continuously welded the full
length of the intersection. Knocked down and mechanical joints are
unacceptable. All exposed welds shall be ground flush, finished smooth and
free of defects. Standard manufacturing tolerances shall be $\pm 1/16$ " for
frame opening width, height, diagonal dimensions and overall width and
height(outside to outside).

2.3 FINISH

Cold rolled steel is factory prime painted gray. The continuous hinge is clear anodized aluminum. Field paint and finish in accordance with and as directed in the Finish Section 9 of these specifications.

PART 3 EXECUTION

3.1 INSTALLATION

In accordance with manufacturer's instructions.

3.2 PROTECTION

It shall be the responsibility of the contractor to see that any scratches or disfigurement caused in shipping or handling of the products are promptly cleaned, touched up, properly stored in a dry location and covered to protect them from damage. Repair damaged units prior to completion and acceptance of the project or replace with new, as directed.

3.3 CLEANING

Upon completion, clean exposed surfaces of door assembly units thoroughly. Remove all smears and other unsightly marks.

-- End of Section --